

#3

Version with Markings to Show Changes Made

IN THE SPECIFICATION:

After page 19, please insert the following:

- ABSTRACT

A needle (10) for delivering a liquid to a subject comprises a shaft (11) having an internal surface defining a longitudinally extending internal bore having an open end (15) to receive a liquid supply, the other end (16) being sharpened for penetration of the subject's skin. A plurality of apertures (18) are provided, each being a cut extending across the external surface of the shaft side (11) at a sufficient depth to establish communication with the bore. The external aperture area is approximately three times greater than the internal aperture area, thereby ensuring that the liquid is delivered to a large surface area of tissue to improve absorption and eliminate fluctuations in delivery rate. The needle (10) can be mass-produced by aligning a batch of shafts alongside one another and running a grinder across the shafts' surfaces to create apertures (18) in the entire batch of needles simultaneously.- -